

Digital manometer PCE-DMU 40

Pressure Transmitter PCE-DMU 40 Pressure Transmitter to 600 Bar / various connections / 0/4 ... 20 mA or 0 ... 10 V output / Stainless steel membrane

The pressure transducer PCE-DMU 40 can be used for relative and absolute pressure measurements. The pressure transmitter can be used for gases, water as well as fuels and oils. Its metallic stainless steel 1.4435 membrane provides good corrosion resistance in many industrial processes. The modular design of the pressure transmitter allows a combination of process connections, pressure ranges and electrical connection variants and therefore meets almost all requirements of industrial applications. The pressure transmitter has an accuracy of 0.25% of the measuring range. Stainless steel is used as the separating membrane.

- 2 or 3 conductor output
- 0/4 ... 20 mA or 0 ... 10 V (selectable)
- Smallest measuring range 0 ... 100 mBar
- Maximum measuring range 0 ... 600 bar
- 0.25% Accuracy of the measuring range
- Stainless steel diaphragm

Specifications:

Technical Specification Pressure Transmitter PCE-DMU 40

Nominal pressure relative in bar	-1 ... 0	0.100.160.250.40.61	1.62.5 4 6
Nominal pressure absolute in bar	-	- - - 0.40.61	1.62.5 4 6
Overpressure in bar	5	0.5 1 1 2 5 5	10 10 2040
Burst pressure in bar	7.5	1.5 1.5 1.5 3 7.5 7.5	15 15 2550
Nominal pressure relative / absolute in bar		10 16 25 40 60	100 160 250 400 600
Overpressure in bar		40 80 80 105210	600 600 100010001000
Burst pressure in bar		50 120 120210420	1000 1000 12501250 ¹⁸⁰⁰
Negative pressure		-1 ... 0 Bar; Overload: 4 Bar; Burst pressure: 7 Bar	
Vacuum resistance		P > 1 bar: unrestricted	
Output signal and power supply		2-wire 4 ... 20 mA: 8 ... 32 V DC	
		3-wire 0 ... 20 mA: 14 ... 30 V DC	
		3-wire 0 ... 10 V: 14 ... 30 V DC	
Load		2-wire : [(UB – UB min) / 0.02 A] Ω	
		3-wire current: 500 Ω	
		3 wire voltage: 10 kΩ	

General technical data

Accuracy	± 0.25 % FSO
Long-term stability	< ±0.1 % FSO
Response time	2-wire : <10 ms
	3-wire : < 3 ms
Media	Fuels, oils
	oxygen
	water

Temperature ranges	Medium: -40 ... 125 °C
	Environment: -40 ... 85 °C
	Storage: -40 ... 100 °C
Pressure connection / housing	Stainless steel 1.4404
Seal	FKM
Diaphragm	Stainless steel 1.4435
Media contacting parts	Pressure connection, seals, separating diaphragm

Delivery scope:

1 x Pressure transducer PCE-DMU 40